

REMARKS

Claims 1, 4-5, 7-8, 12, 16-25, 27-29 and 31-36 are pending in the present application. Claims 2-3, 6, 9-11, 13-15, 26 and 30 have been cancelled. Claims 1, 16, 17, 18, 19, 35 and 36 have been amended. Claims 1, 16, 17, 18, and 19 are independent claims.

Rejections Under 35 U.S.C. §103(a)

Claims 1, 4, 5, 7, 8, 12, 16-25, 27-29, and 31-36 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent Publication 2005/0025461 to Kato et al. ("Kato") in view of U.S. Patent Publication 2003/0113096 to Taira et al. ("Taira").

In rejecting the pending claims over the combination of Kato and Taira, the Examiner alleges that Kato discloses a navigation management file including at least one entry point map, the entry point map mapping a presentation time stamp to an address for a corresponding entry point in the video data, each entry point map for identifying entry points in the video data for the associated reproduction path. However, the claims as amended no longer describe this feature.

The amended claims recite, among other things, a navigation management file includes at least one entry point map, and the entry point map maps a presentation time stamp to an address in the video data for at least one entry point, wherein the entry point map includes an entry point fine table including fine information of the at least one entry point and an entry point coarse table including coarse information of the at least one entry point, the fine information and coarse information identifying the presentation time stamp and the address, and the coarse information including identification information for referencing a corresponding fine information.

Neither Kato nor Taira, whether considered alone or in combination, disclose or suggest this feature recited in the pending claims. In contrast with the amended

claim language, Kato merely discloses an entry point (EP) map described as a list of entry point (EP) data extracted from the elementary stream and the transport stream that has the address information used to find the site of entry points in the AV stream at which to start the decoding. The EP data is made up of a presentation time stamp (PTS) and a data address in the AV stream of the accessing unit associated with the PTS, with the data address being paired to the PTS. Kato also recites that the EP map is used mainly for two purposes. First, it is used for finding a data address in the AV stream in the accessing unit referenced by the PTS in the PlayList. Second, the EP map is used for fast forward playback or fast reverse playback. If, in recording the input AV stream by the recording and/or reproducing apparatus 1, the syntax of the stream can be analyzed, the EP map is created and recorded on the disc (paragraphs [0212]-[0213]). Thus, Kato fails to disclose or suggest an EP map as claimed.

Taira is silent regarding an entry point map that includes an entry point fine table including fine information of the at least one entry point and an entry point coarse table including coarse information of the at least one entry point, the fine information and coarse information identifying the presentation time stamp and the address, and the coarse information including identification information for referencing a corresponding fine information.

Moreover, the combination of references fails to disclose or suggest that the fine information identifies least significant bits of the presentation time stamp and the address of the entry point and the coarse information identifies most significant bits of the presentation time stamp and the address of the entry point, as recited in dependent claim 35, or that the entry point map includes the entry point fine table and the entry point coarse table to reduce the size of the entry point map and to improve searching performance while reproducing the video data, and the number of entries in the entry point coarse table is less than the number of entries in the entry point fine table, as recited in dependent claim 36.

As the combination of references fails to disclose or suggest each and every feature recited in the rejected claims as amended, withdrawal of the rejection is respectfully requested.

Request for Interview

The Applicant respectfully requests that the Examiner grant the Applicant's representative an interview before issuing a next action in the application. The Examiner is requested to contact the undersigned to schedule an interview.

CONCLUSION

Accordingly, in view of the above amendments and remarks, reconsideration of the objections and rejections and allowance of each of claims 1, 4-5, 7-8, 12, 16-25, 27-29 and 31-36 in connection with the present application is earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. §1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY, & PIERCE, P.L.C.

By: 

Terry L. Clark, Reg. No. 32,644
P.O. Box 8910
Reston, Virginia 20195
(703) 668-8000

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